

CD112 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2881c**Specification**

CD112 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O92692](#)
Other Accession [NP_002847](#)

CD112 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5819

Other Names

Nectin-2, Herpes virus entry mediator B, Herpesvirus entry mediator B, HveB, Poliovirus receptor-related protein 2, CD112, PVRL2, HVEB, PRR2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2881c](/products/AP2881c) was selected from the Center region of human CD112. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD112 Antibody (Center) Blocking Peptide - Protein Information

Name NECTIN2 ([HGNC:9707](#))

Synonyms HVEB, PRR2, PVRL2

Function

Modulator of T-cell signaling. Can be either a costimulator of T-cell function, or a coinhibitor, depending on the receptor it binds to. Upon binding to CD226, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Upon interaction with PVRIG, inhibits T-cell proliferation. These interactions are competitive (PubMed: [26755705](http://www.uniprot.org/citations/26755705)). Probable cell adhesion protein (PubMed: [9657005](http://www.uniprot.org/citations/9657005)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Ubiquitous.

CD112 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CD112 Antibody (Center) Blocking Peptide - Images**CD112 Antibody (Center) Blocking Peptide - Background**

CD112 is a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses.

CD112 Antibody (Center) Blocking Peptide - References

Almire,C., Genes Chromosomes Cancer 46 (11), 1011-1018 (2007)Pezzetti,F., Eur. J. Hum. Genet. 15 (9), 992-994 (2007)